# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 00:00 on Wednesday 15 Mar 2023 until 23:59 on Thursday 16 Mar 2023

Forecast Issued on Tuesday 14 Mar 2023 at 13:48

**Confidence:** High for the cold start, then milder and unsettled from later Wednesday, but lowering confidence for the detail of cloud, regime transitions and snow levels.

**Headline for Wednesday 15 Mar 2023:** Dry bright start, then snow developing from afternoon, erratically turning to rain during evening, as southerly winds strengthen.

**Mountain weather hazards on Wednesday 15 Mar 2023**

**Blizzards**
Low Likelihood

**Gales**
No Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent snow**
No Likelihood

**Severe chill effect**
Low Likelihood

**Heavy persistent rain**
No Likelihood

**Storm force winds**
No Likelihood

**Poor visibility**
Medium Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 600m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | | | |
| Partly cloudy (night) | Partly cloudy (night) | Sunny intervals | Cloudy | Cloudy | Light snow | Sleet | Heavy Rain |
| Precipitation probability | | | | | | | |
| 20% | <05% | <05% | 10% | 20% | 60% | 90% | 90% |

**Forecast for Wednesday 15 Mar 2023**

**Weather:** Largely dry with clear then bright spells overnight and morning. Cloud thickening and lowering from the west to bring patchy snow late afternoon, which becomes heavier through the evening, while also erratically turning to rain.

**Chance of cloud-free hill tops above 600m:** 90% plus becoming 60% early afternoon, 10-20% for the evening.

**Low cloud and visibility:** Good or very good becoming moderate or poor in later rain, very poor in snow and within cloud, with bases lowering 500m infrequently for morning, occasionally for afternoon, then widespread for the evening.

Check our weather forecast every day to get the most accurate and up to date information
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# Mountain Weather Forecast

**Forecast for Wednesday 15 Mar 2023**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 6/9 NW | 6/8 SW | 8/12 SW | 12/16 SW | 14/19 SW | 15/21 S | 23/31 SE | 24/36 S | 23/35 S |
| **300** | 4/7 SW | 5/7 S | 5/8 S | 7/10 SW | 11/16 SW | 12/19 S | 20/29 SE | 19/29 S | 18/28 S |
| **Valley** | 3/6 E | 3/6 SE | 4/8 SE | 4/9 S | 8/15 S | 8/18 S | 11/25 SE | 12/27 S | 11/26 S |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | -2/-6 | -3/-6 | -2/-7 | -1/-6 | 0/-5 | 0/-5 | 1/-6 | 2/-4 | 4/-2 |
| **300** | 0/-2 | -1/-4 | -1/-4 | 1/-2 | 3/-1 | 3/-1 | 3/-3 | 4/-1 | 5/1 |
| **Valley** | -0/-2 | -1/-3 | -1/-4 | 1/-0 | 4/1 | 4/0 | 3/-1 | 4/0 | 6/2 |
| **Freezing Level*** | 200m | 100m | 00m | 200m | 400m | 500m | 1000m | 1600m | 1700m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Icy early. Hill fog becoming quite extensive late in the day. Small chance of blizzards at height later in the day.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 15:00 on Tue 14 Mar 2023 | 22.4mm | 49.2mm | 50.8mm |

**Forecast for Thursday 16 Mar 2023**

**Weather:** Overcast with periods of rain at first, turning heavy at times, this combined with strong winds brings some difficult conditions. Improving for the afternoon and evening with a mix of showers and cloud breaks spreading from the west.

**Maximum wind:** South to southwest mean 25-30 mph with gusts reaching 45 mph at times across most exposed ridges and summits. Winds easing a little from the afternoon.

**Chance of cloud-free hill tops above 600m:** Nil becoming 60-70% for the afternoon

**Low cloud and visibility:** Good or very good becoming moderate or poor in rain, very poor within cloud, with bases extensive from 500m at first, occasionally so in the showery flow from afternoon.

**Temperature:** **Valleys:** Plus 2 Celsius increasing 13 Celsius during the afternoon
**At 600m:** Plus 6 Celsius
**Freezing level:** Above all peaks

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